

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	0	(brushless adj2 motor) and inverter and ((variable adj frequency adj drive) or vfd) and (first adj3 voltage) and (second adj3 voltage) and (efficiency or ((decreas\$3 or minimiz\$6 or low \$5) near3 losses)) and (phases with (period or time or cycle) with (switch \$6 near5 state))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/11 18:37
S2	39	(brushless adj2 motor) and inverter and (efficiency or ((decreas\$3 or minimiz\$6 or low \$5) near3 losses)) and (phases with (period or time or cycle) with (switch \$6 near5 state))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/12 11:39
S3	18	S2 and (dc adj motor)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/11 17:34

S4	39	(brushless adj2 motor) and inverter and (efficiency or ((decreas\$3 or minimiz\$6 or low \$5) near3 losses)) and (phases with (period or time or cycle) with (switch \$6 near5 state))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/11 18:37
S5	18	S4 and (dc adj motor)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/11 18:37
S6	11	S5 and vector	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/11 18:55
S7	11	S6 and (current near3 signal) and (time or period)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/11 19:01
S8	9	S6 and (current near3 signal) and ((time or period) with (\$4emf or load))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/11 18:57
S9	11	S7 and (switch\$5 near3 state)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/11 22:50
S10	39	(brushless adj2 motor) and inverter and (efficiency or ((decreas\$3 or minimiz\$6 or low \$5) near3 losses)) and (phases with (period or time or cycle) with (switch \$6 near5 state))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/11 22:50
S11	18	S10 and (dc adj motor)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/11 22:50
S12	11	S11 and vector	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/11 22:50

S13	9	S12 and (current near3 signal) and ((time or period) with (\$4emf or load))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/11 22:50
S14	9	S13 and (first near2 voltage) and (second near3 voltage)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/11 22:55
S15	0	ep-0128796-\$. did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/11 22:56
S16	0	ep-00128796-\$. did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/11 22:56
S17	2	"4259620".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/11 22:57
S18	1	motor and inverter and (periodical\$3 with (switching adj over) with phase)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/12 15:21
S19	108	motor and inverter and ((switching near3 over) with phase)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/12 16:04
S20	25	S19 and (first near3 voltage) and (second near3 voltage)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/12 15:02
S21	0	S20 and (sequenc \$6 same ((predeterm\$3 or command\$6 or target\$4) with ((frequency near3 field) or (motor near3 load))))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/12 15:23
S22	1	S20 and (pulsat \$6 with switch\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/12 15:07

S23	53	motor and inverter and ((cycl\$3 or periodical\$3) with (switching near4 phase)) and (positive near3 voltage) and (negative near3 voltage)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/12 15:58
S24	0	S23 and (sequenc\$6 same ((predeterm\$3 or command\$6 or target\$4) with (frequency near3 field)))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/12 15:24
S25	0	S23 and ((predeterm\$3 or command\$6 or target\$4) with (frequency near3 field))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/12 15:24
S26	39	motor and (voltage near3 positive) and (voltage near3 negative) and (phase with switching with (periodic\$5 or cyclical\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/12 16:02
S27	0	S26 and ((continuous\$3 near3 connect\$6) with phase with (input near3 voltage))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/12 16:01
S28	318	motor and (voltage near3 positive) and (voltage near3 negative) and (phase near5 switch\$3) and (phase near3 connect\$6) and (periodic\$5 or cyclical\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/12 16:10

S29	202	S28 and inverter	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/12 16:04
S30	0	S29 and (((switching near3 over) with (switch or transistor or phase) with voltage) same ((one or another or different or second or first) near6 phase))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/12 16:09
S31	65	motor and (voltage near3 positive) and (voltage near3 negative) and ((phase or coil) with (switch\$3 near3 (time or period)) and ((phase or coil) near3 connect\$6) with (positive or negative)) and (switch\$3 near2 (state or stage))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/12 16:17
S32	30	S31 and efficiency	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/12 16:18
S33	10	S32 and (phase near3 shift\$6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/12 16:54
S34	204	388/812.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/12 16:59
S35	201	388/809.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/12 16:59
S36	183	388/813.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/12 16:59
S37	412	388/814.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/12 16:59

S38	755	(S34 or S36 or S37)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/12 17:00
S39	0	S38 and (switch \$3 near3 stage) and ((positive or negative) near3 voltage) and (first adj phase) and (second adj phase) and (third adj phase)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/12 17:02
S40	0	S38 and efficiency and (continuous\$2 with connect\$6 with phase) and (switch\$3 near3 stage) and ((positive or negative) near3 voltage)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/12 17:04
S41	9	S38 and motor and inverter and efficiency and (three adj phase)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/12/12 17:05
S42	2	US-6570353-\$. D.I.D.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/04/07 13:22

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